

HOWREY & SIMON

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June 14, 1999

Assistant Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application
Application No.: To Be Assigned
Filed: Herewith
For: **Nucleic Acid Molecules and Other Molecules
Associated with Plants**
Inventors: Timothy W. CONNER *et al.*
Atty. Docket: 38-21(15404)B

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Utility Patent Application Transmittal (PTO/SB/05);
2. Form PTO-1082 (in duplicate);
3. U.S. Utility Patent Application entitled:

Nucleic Acid Molecules and Other Molecules Associated with Plants

and naming as inventors:

Timothy W. CONNER and Yijun G. RUAN

the application consisting of:

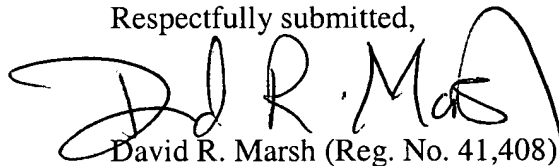
- a. A specification containing:
 - (i) 89 pages of a description prior to the claims;
 - (ii) 2 pages of claims (7 claims);
 - (iii) a one (1) page abstract; and
 - (iv) 9,015 pages of a sequence listing;

4. A CD-ROM containing the sequence listing;
5. Statement Regarding Sequence Submission;
6. Information Disclosure Statement;
7. Form PTO-1449 (3 pages), with 8 accompanying documents;
8. Facsimile copy of original Combined Declaration and Power of Attorney for Patent Application, executed by Timothy W. Conner;
9. Facsimile copy of original Combined Declaration and Power of Attorney for Patent Application, executed by Yijun G. Ruan;
10. Howrey & Simon Check No. 311677 in the amount of \$760.00 to cover the basic filing fee; and
11. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith in the above application are the same.

Respectfully submitted,



David R. Marsh (Reg. No. 41,408)

Enclosures

Please type a plus sign (+) inside this box ☐

PTO/SB/05 (2/98)
Applicable for use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(h))</i>	Attorney Docket No.	38-21(15404)B
	First Named Inventor or Application Identifier	CONNER
	Title	Nucleic Acid Molecules and Other Molecules Associated with Plants
	Express Mail Label No.	

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents</i>	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. <input checked="" type="checkbox"/> *Fee Transmittal Form (Form PTO-1082)
<i>(Submit an original and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages <input type="text" value="92"/>]
<i>(preferred arrangement set forth below)</i></p> <ul style="list-style-type: none">- Descriptive title of the Invention- Cross References to Related Applications- Statement Regarding Fed sponsored R&D- Reference to Microfiche Appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claims- Abstract of the Disclosure <p><input type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <input type="text"/>]</p> <p>Oath or Declaration [Total Pages <input type="text" value="6"/>]</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))
<i>(for continuation/divisional with Box 17 completed)</i>
<i>[Note Box 5 below]</i></p> <p>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u>
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p><input type="checkbox"/> Incorporation By Reference <i>(useable if Box 4b is checked)</i>
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> | <p>6. <input type="checkbox"/> Microfiche Computer Program <i>(Appendix)</i></p> <p>7. Nucleotide and/or Amino Acid Sequence Submission
<i>(if applicable, all necessary)</i></p> <p>a. <input checked="" type="checkbox"/> Computer Readable Copy</p> <p>b. <input checked="" type="checkbox"/> Paper Copy (identical to computer copy)</p> <p>c. <input checked="" type="checkbox"/> Statement verifying identity of above copies</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

ACCOMPANYING APPLICATION PARTS

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) | |
| 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney
<i>(when there is an assignee)</i> | |
| 10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> | |
| 11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 | <input checked="" type="checkbox"/> Copies of IDS Citations |
| 12. <input type="checkbox"/> Preliminary Amendment | |
| 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Two)
<i>(should be specifically itemized)</i> | |
| 14. <input type="checkbox"/> *Small Entity Statement(s) | <input type="checkbox"/> Statement filed in prior application, Status still proper and desired |
| 15. <input type="checkbox"/> Certified Copy of Priority Document(s)
<i>(if foreign priority is claimed)</i> | |
| 16. <input type="checkbox"/> Other: | |

*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

- | | | | |
|------------------------------------------|-------------------------------------|-----------------------------------------------------|----------------------------|
| <input type="checkbox"/> Continuation | <input type="checkbox"/> Divisional | <input type="checkbox"/> Continuation-in-part (CIP) | of prior application No: / |
| Prior Application Information: Examiner: | | | Group/Art Unit: |

18. CORRESPONDENCE ADDRESS

- ☐ Customer Number or Bar Code Label or ☒ Correspondence address below
- (Insert Customer No. or Attach bar code label here)*

NAME	Lawrence M. Lavin, Jr., Esq. MONSANTO COMPANY				
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CITY	St. Louis	STATE	Missouri	ZIP CODE	63198
COUNTRY	US	TELEPHONE	(314) 737-6670	FAX	(314) 737-6047
Name (Print/Type)	Lawrence M. Lavin, Jr.		Registration No. (Attorney/Agent)	30,768	
Signature	<i>Lawrence M. Lavin, Jr.</i>		Date	June 14, 1999	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

by David R. Marsh 41,408

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventors: Timothy W. Conner *et al.*

For: Nucleic Acid Molecules and Other Molecules Associated with Plants



Enclosed are:

- _____ sheets of informal drawings.
- ☒ An Information Disclosure Statement.
- ☒ Form PTO-1449 (3 pages) with 8 accompanying documents.
- ☒ Statement Regarding Sequence Submission.
- ☒ Sequence listing CD.
- _____ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- _____ Executed Power of Attorney from Assignee
- ☒ Executed Combined Declaration and Power of Attorney for Patent Application (2 copies totaling 6 pages)

The filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE	FEE		RATE	FEE
BASIC FEE				\$ 395.00	OR		\$ 760.00
TOTAL CLAIMS	7 -20 =	* 0	x 9 =		OR	x 18 =	0.00
INDEP. CLAIMS	3 -3 =	* 0	x 39 =		OR	x 78 =	0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			+ 130 =		OR	+ 260 =	0.00
			TOTAL		OR	TOTAL	\$ 760.00

*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

_____ Please charge my Deposit Account No. _____ in the amount of \$ _____. A duplicate copy of this sheet is attached.

☒ Howrey & Simon Check No. 311677 in the amount of \$ 760.00 to cover the filing fee is enclosed.

☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 13-4125. A duplicate copy of this sheet is attached.

☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 13-4125. A duplicate copy of this sheet is enclosed.

☒ Any patent application processing fees under 37 CFR 1.17

_____ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date June 14, 1999

Lawrence M. Lavin, Jr.
Lawrence M. Lavin, Jr. (Reg. No. 30,768)

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Telephone: (314) 737-6670

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41,406